

Table CT4. Residential Sector Energy Consumption Estimates, Selected Years, 1960-2016, North Dakota

Year	Coal ^a	Natural Gas ^b	Petroleum				Biomass	Geothermal ^e	Solar ^{e,f}	Retail Electricity Sales	Net Energy ^{e,g}	Electrical System Energy Losses ^h	Total ^{e,g}
	Thousand Short Tons	Billion Cubic Feet	Distillate Fuel Oil	HGL ^c	Kerosene	Total	Wood ^d			Million Kilowatthours			
			Thousand Barrels				Thousand Cords						
1960	328	4	874	774	860	2,508	23	--	--	728	--	--	--
1965	177	7	1,269	746	40	2,055	16	--	--	911	--	--	--
1970	80	8	1,103	1,261	190	2,555	19	--	--	1,399	--	--	--
1975	46	10	776	1,161	21	1,958	22	--	--	1,901	--	--	--
1980	30	10	1,173	502	5	1,681	119	--	--	2,456	--	--	--
1985	43	10	1,162	166	14	1,342	153	--	--	3,012	--	--	--
1990	27	9	981	642	5	1,628	84	--	--	2,954	--	--	--
1995	14	11	717	762	4	1,482	73	--	--	3,384	--	--	--
1996	18	13	818	929	5	1,752	76	--	--	3,602	--	--	--
1997	15	11	602	1,494	5	2,102	59	--	--	3,437	--	--	--
1998	13	10	532	1,070	6	1,608	52	--	--	3,272	--	--	--
1999	15	11	485	1,416	17	1,917	54	--	--	3,307	--	--	--
2000	15	11	564	1,727	3	2,294	58	--	--	3,390	--	--	--
2001	15	11	492	1,973	4	2,469	55	--	--	3,480	--	--	--
2002	17	12	424	1,770	2	2,197	56	--	--	3,664	--	--	--
2003	22	12	517	1,820	3	2,340	59	--	--	3,707	--	--	--
2004	25	11	582	1,801	5	2,387	61	--	--	3,663	--	--	--
2005	21	11	460	1,825	7	2,292	18	--	--	3,796	--	--	--
2006	9	10	462	1,386	3	1,851	16	--	--	3,853	--	--	--
2007	26	11	470	1,408	2	1,880	18	--	--	4,067	--	--	--
2008	0	12	670	1,652	1	2,323	20	--	--	4,259	--	--	--
2009	0	12	319	1,583	3	1,905	23	--	--	4,449	--	--	--
2010	0	11	255	1,508	3	R 1,767	20	--	--	4,393	--	--	--
2011	0	11	193	1,655	2	R 1,850	21	--	--	4,552	--	--	--
2012	0	10	140	1,336	1	R 1,476	19	--	--	4,485	--	--	--
2013	0	12	171	1,494	1	R 1,666	27	--	--	5,039	--	--	--
2014	0	13	155	1,676	1	R 1,832	27	--	--	5,358	--	--	--
2015	0	11	129	1,422	1	R 1,552	20	--	--	4,863	--	--	--
2016	0	10	132	1,352	3	1,487	16	--	--	4,741	--	--	--
Trillion Btu													
1960	5.1	4.0	5.1	3.0	4.9	12.9	0.5	NA	NA	2.5	24.9	6.1	31.1
1965	2.7	6.6	7.4	2.9	0.2	10.5	0.3	NA	NA	3.1	23.2	7.4	30.7
1970	1.2	8.4	6.4	4.8	1.1	12.3	0.4	NA	NA	4.8	27.1	11.6	38.7
1975	0.6	10.2	4.5	4.5	0.1	9.1	0.4	NA	NA	6.5	26.9	15.6	42.4
1980	0.4	10.1	6.8	1.9	(s)	8.8	2.4	NA	NA	8.4	30.0	20.1	50.1
1985	0.6	11.0	6.8	0.6	0.1	7.5	3.1	NA	NA	10.3	30.4	23.5	54.0
1990	0.4	9.5	5.7	2.5	(s)	8.2	1.7	0.1	(s)	10.1	27.8	24.1	51.8
1995	0.2	11.8	4.2	2.9	(s)	7.1	1.5	0.1	(s)	11.5	29.9	26.6	56.5
1996	0.3	13.2	4.8	3.6	(s)	8.4	1.5	0.1	(s)	12.3	33.5	28.1	61.6
1997	0.2	11.9	3.5	5.7	(s)	9.3	1.2	0.1	(s)	11.7	32.9	27.4	60.4
1998	0.2	10.5	3.1	4.1	(s)	7.2	1.0	0.1	(s)	11.2	28.8	26.4	55.2
1999	0.2	11.0	2.8	5.4	0.1	8.3	1.1	0.1	(s)	11.3	30.5	26.5	57.1
2000	0.2	11.3	3.3	6.6	(s)	9.9	1.2	0.1	(s)	11.6	32.8	26.7	59.5
2001	0.2	10.9	2.9	7.6	(s)	10.5	1.1	0.1	(s)	11.9	33.2	27.4	60.7
2002	0.3	11.8	2.5	6.8	(s)	9.3	1.1	0.1	(s)	12.5	33.6	28.8	62.4
2003	0.4	12.0	3.0	7.0	(s)	10.0	1.2	0.2	(s)	12.6	34.7	29.3	64.0
2004	0.4	11.4	3.4	6.9	(s)	10.3	1.2	0.2	(s)	12.5	34.6	28.8	63.4
2005	0.4	11.1	2.7	7.0	(s)	9.7	0.4	0.2	(s)	13.0	33.0	28.5	61.4
2006	0.2	10.1	2.7	5.3	(s)	8.0	0.3	0.3	(s)	13.1	30.3	29.6	59.9
2007	0.4	11.2	2.7	5.4	(s)	8.1	0.4	0.3	(s)	13.9	32.8	31.3	64.1
2008	0.0	12.0	3.9	6.3	(s)	10.2	0.4	0.4	(s)	14.5	36.1	33.3	69.4
2009	0.0	12.2	1.8	6.1	(s)	7.9	0.5	0.5	(s)	15.2	34.5	34.1	68.6
2010	0.0	11.1	1.5	5.8	(s)	7.3	0.4	0.5	(s)	15.0	32.9	32.6	65.5
2011	0.0	11.7	1.1	6.3	(s)	R 7.5	0.4	0.5	(s)	15.5	R 34.5	33.7	R 68.2
2012	0.0	10.2	0.8	5.1	(s)	R 5.9	0.4	0.5	(s)	15.3	R 31.2	33.0	R 64.2
2013	0.0	12.9	1.0	5.7	(s)	R 6.7	0.5	0.5	(s)	17.2	R 36.8	36.4	R 73.2
2014	0.0	13.6	0.9	6.4	(s)	R 7.3	0.5	0.5	(s)	18.3	R 39.1	39.3	R 78.4
2015	0.0	11.5	0.7	5.5	(s)	R 6.2	0.4	0.5	(s)	16.6	R 34.3	35.5	R 69.8
2016	0.0	10.9	0.8	5.2	(s)	6.0	0.3	0.5	(s)	16.2	33.1	34.3	67.5

^a Beginning in 2008, data are no longer collected and are assumed to be zero.

^b Natural gas as it is consumed; includes supplemental gaseous fuels that are commingled with natural gas.

^c Hydrocarbon gas liquids, assumed to be propane only.

^d Wood and wood-derived fuels.

^e There is a discontinuity in this time series between 1988 and 1989 due to the expanded coverage of renewable energy sources beginning in 1989.

^f Solar thermal and photovoltaic energy. Includes solar thermal energy consumed as heat by the commercial and industrial sectors.

^g Beginning in 1980, adjusted for the double-counting of supplemental gaseous fuels, which are included in both natural gas and the other fossil fuels from which they are mostly derived, but should be counted only once in net energy and total.

^h Incurred in the generation, transmission, and distribution of electricity plus plant use and unaccounted for electrical system energy losses. Pre-1990 estimates are not comparable to those for later years. See Section 6 of Technical Notes for an explanation of changes in methodology.

-- = Not applicable. NA = Not available.

Where shown, R = Revised data and (s) = Physical unit value less than 0.5 or Btu value less than 0.05.

Notes: Totals may not equal sum of components due to independent rounding. • The continuity of these data series estimates may be affected by changing data sources and estimation methodologies. See the Technical Notes for each type of energy.

Web Page: All data are available at <https://www.eia.gov/state/seds/seds-data-complete.php>.

Sources: Data sources, estimation procedures, and assumptions are described in the Technical Notes.